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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Group: 1624

Confirmation No.: 1332

Application No.: 10/784,696

Invention: METHOD AND ASSOCIATED
COMPOUNDS FOR FORMING
NANOTUBES

Applicant: Hicham Fenniri

Filed: February 23, 2004

Attorney
Docket: 3220-74628

Examiner: Unknown

Certificate Under 37 CFR 1.8(a)

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(Signature)

Karla T. Mays

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INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
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Sir:

This statement is filed in the application identified above pursuant to 37 C.F.R. § 1.56. No representation is intended that a complete search has been made of the prior art or that no better art references than listed below are available. A copy of each reference is provided for review by the Examiner. The filing of this Statement shall not be construed to be an admission that the information cited in the Statement is, or is considered to be, material to patentability as defined in §1.56(b).

Please charge any fees that might be due in connection with this Information Disclosure Statement to our Deposit Account No. 10-0435. An extra copy of this Information Disclosure Statement is enclosed for that purpose.

Respectfully submitted,

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U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 3220-72893	SERIAL NO. 10/630,574
INFORMATION DISCLOSURE STATEMENT		APPLICANT Hicham Fenniri	
		FILING DATE July 30, 2003	GROUP 1624

U.S. PATENT DOCUMENTS

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	AA	5,753,088	May 19, 1998	Olk			
	AB						
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FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes No
	AL	WO 97/32571 A1	Sep. 15, 1997	PCT			X
	AM						
	AN						
	AO						
	AP						

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	Thomas C. Marsh et al., "A new DNA nanostructure, the G-wire, imaged by scanning probe microscopy", <i>Oxford Journals Online, Nucleic Acids Research</i> , Vol. 23, Issue 4, pg. 696 (Copyright © 1995 by Oxford University Press)
	AS	George M. Whitesides et al., "Noncovalent Synthesis: Using Physical-Organic Chemistry To Make Aggregates", <i>Acc. Chem. Res.</i> , Vol. 28, No. 1, 1995, pgs. 37-44
	AT	Sergei V. Kolotuchin et al., "Self-Assembly Mediated by the Donor-Donor-Acceptor-Acceptor-Acceptor-Donor (DDA•AAD) Hydrogen-Bonding Motif: Formation of a Robust Hexameric Aggregate", <i>J. Am. Chem. Soc.</i> , Vol. 120, No. 35, 1998, pgs. 9092-9093
	AU	Rosa E. Meléndez et al., "Hydrogen-Bonded Ribbons, Tapes and Sheets as Motifs for Crystal Engineering", <i>Top. Curr. Chem.</i> , Vol. 198, 1998, pgs. 97-129
	AV	Scott L. Forman et al., "Toward Artificial Ion Channels: A Lipophilic G-Quadruplex", <i>J. Am. Chem. Soc.</i> , Vol. 122, No. 17, 2000, pgs. 4060-4067
	AW	Giovanni Gottarelli et al., "The Self-Recognition and Self-Assembly of Folic Acid Salts in Isotropic Water Solution", <i>Helvetica Chimica Acta</i> , Vol. 79 (1996), pgs. 220-234
	AX	Harm-Anton Klock, et al., "Self-Assembly of Rodlike Hydrogen-Bonded Nanostructures", <i>J. Am. Chem. Soc.</i> , Vol. 121, No. 30, 1999, pgs. 7154-7155
	AY	Nobuo-Kimizuka et al., "Mesoscopic Supramolecular Assembly of a 'Janus' Molecule and a Melamine Derivative via Complementary Hydrogen Bonds", <i>J. Chem. Soc., Chem. Commun.</i> , 1995, pgs. 2103-2104
	AZ	Toyoko Imae et al., "Formation of Fibrous Molecular Assemblies by Amino Acid Surfactants in Water", <i>J. Am. Chem. Soc.</i> , Vol. 114, No. 9, 1992, pgs. 3414-3419

Examiner	Date Considered
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U.S. PATENT DOCUMENTS

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	BA						
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FOREIGN PATENT DOCUMENTS

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	BL						
	BM						
	BN						
	BO						
	BP						

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

BR	David A. Frankel et al., "Supramolecular Assemblies of Diacetylenic Aldonamides", <i>J. Am. Chem. Soc.</i> , Vol. 116, No. 22, 1994, pgs. 10057-10069
BS	Jürgen-Hinrich Fuhrhop et al., "Molecular Monolayer Rods and Tubules Made of α -(L-Lysine), ω -(Amino) Bolaamphiphiles", <i>J. Am. Chem. Soc.</i> , Vol. 115, No. 4, 1993, pgs. 1600-1601
BT	Joel M. Schnur, "Lipid Tubules: A Paradigm for Molecularly Engineered Structures", <i>Science</i> , Vol. 262, 1993, pgs. 1669-1676
BU	Naotoshi Nakashima et al., "Optical Microscopic Study of Helical Superstructures of Chiral Bilayer Membranes", <i>J. Am. Chem. Soc.</i> , Vol. 107, 1985, pgs. 509-510
BV	Jacque H. Georger et al., "Helical and Tubular Microstructures Formed by Polymerizable Phosphatidylcholines", <i>J. Am. Chem. Soc.</i> , Vol. 109, No. 20, 1987, pgs. 6169-6175
BW	Nasreen G. Chopra et al., "Boron Nitride Nanotubes", <i>Science</i> , Vol. 269, 1995, pgs. 966-967
BX	Tomoko Kasuga et al., "Formation of Titanium Oxide Nanotube", <i>Langmuir</i> , Vol. 14, No. 12, 1998, pgs. 3160-3163
BY	Wayne Shenton et al., "Inorganic-Organic Nanotube Composites from Template Mineralization of Tobacco Mosaic Virus", <i>Adv. Mater.</i> , Vol. 11, No. 3, 1999 pgs. 253-256
BZ	Charles J. Brumlik et al., "Template Synthesis of Metal Microtubules", <i>J. Am. Chem. Soc.</i> , Vol. 113, No. 8, 1991, pgs. 3174-3175

Examiner	Date Considered
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	CA						
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	CL						
	CM						
	CN						
	CO						
	CP						

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

CR	Ewan J. M. Hamilton et al., "Preparation of Amorphous Boron Nitride and Its Conversion to a Turbostratic, Tubular Form", <i>Science</i> , Vol. 260, 1993, pgs. 659-661
CS	Sumio Iijima, "Helical microtubules of graphitic carbon", <i>Nature</i> , Vol. 354, 1991, pgs. 56-58
CT	Maarten F. M. Roks et al., "Biomimetic Macromolecular Chemistry: Design and Synthesis of an Artificial Ion Channel Based on a Polymer Containing Cofacially Stacked Crown Ether Rings. Incorporation in Dihexadecyl Phosphate Vesicles and Study of Cobalt Ion Transport", <i>Macromolecules</i> , Vol. 25, No. 20, 1992, pgs. 5398-5407
CU	Akira Harada et al., "Synthesis of a tubular polymer from threaded cyclodextrins", <i>Nature</i> , Vol. 364, 1993, pgs. 516-518
CV	Naomi Sakai et al., "Transmembrane B-DNA", <i>Short Communications, Chembiochem</i> , No. 2, 2000, pgs. 123-125
CW	Peter R. Ashton et al., "Synthetic Cyclic Oligosaccharides—Syntheses and Structural Properties of a Cyclo[1→ 4]- α -L-rhamonopyranosyl-[1→ 4]- α -D-mannopyranosyl]trioside and -tetraoside**", <i>Chem. Eur. J.</i> , Vol. 2, No. 5, 1996, pgs. 580-591
CX	James C. Nelson et al., "Solvophobically Driven Folding of Nonbiological Oligomers", <i>Science</i> , Vol. 277, 1997, pgs. 1793-1796
CY	M. Reza Ghadiri et al., "Self-assembling organic nanotubes based on a cyclic peptide architecture", <i>Nature</i> , Vol. 366, 1993, pgs. 324-327
CZ	Mark Mascal et al., "The G-C DNA Base Hybrid: Synthesis, Self-Organization and Structural Analysis", <i>J. Org. Chem.</i> , Vol. 64, No. 23, 1999, pgs. 8479-8484

Examiner	Date Considered
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	DA						
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FOREIGN PATENT DOCUMENTS

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	DL						
	DM						
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	DP						

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	DR	Andrew Marsh et al., "Self-complementary hydrogen bonding heterocycles designed for the enforced self-assembly into supramolecular macrocycles", <i>Chem. Commun.</i> , 1996, pgs. 1527-1528
	DS	Thierry Verbiest et al., "Strong Enhancement of Nonlinear Optical Properties Through Supramolecular Chirality", <i>Science</i> , Vol. 282, Issue 5390, 1998, 7 pgs.
	DT	Hicham Fenniri et al., "Helical Rosette Nanotubes: Design, Self-Assembly, and Characterization", <i>J. Am. Chem. Soc.</i> , Vol. 123, No. 16, 2001, pgs. 3854-3855
	DU	Hicham Fenniri et al., "Entropically driven self-assembly of multichannel rosette nanotubes", <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 99, Suppl. 2, pgs. 6487-6492
	DV	Hicham Fenniri et al., "Towards Self-Assembled Electro- and Photo-Active Organic Nanotubes", <i>Polymer Preprints</i> , Vol. 42, No. 2, 2001, pgs. 569-570
	DW	Michael J. Krische et al., "The Utilization of Persistent H-Bonding Motifs in the Self-Assembly of Supramolecular Architectures", <i>Struct. Bond.</i> , Vol. 96, 2000, pgs. 3-29
	DX	Katrina A. Jolliffe et al., "Noncovalent Assembly of a Fifteen-Component Hydrogen-Bonded Nanostructure", <i>Angew. Chem. Int. Ed.</i> , Vol. 38, No. 7, 1999, pgs. 933-937
	DY	Leonard J. Prins et al., "Chiral exciton coupling of merocyanine dyes within a well defined hydrogen-bonded assembly", <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 98, No. 18, 2001, pgs. 10042-10045
	DZ	Charles Michael Drain et al., "Self-assembly of a multi-porphyrin supramolecular macrocycle by hydrogen bond molecular recognition", <i>Chem. Commun.</i> , 1996, pgs. 337-338

Examiner	Date Considered
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FOREIGN PATENT DOCUMENTS

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	EL						
	EM						
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	EO						
	EP						

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	ER	Christopher T. Seto et al., "Molecular Self-Assembly through Hydrogen Bonding: Aggregation of Five Molecules To Form a Discrete Supramolecular Structure", <i>J. Am. Chem. Soc.</i> , Vol. 115, No. 4, 1993, pgs. 1321-1329
	ES	Eric E. Simanek et al., "Observation of Diastereomers of the Hydrogen-Bonded Aggregate Hub(M) ₃ •3CA Using H Nuclear Magnetic Resonance Spectroscopy When CA Is an Optically-Active Isocyanuric Acid", <i>J. Org. Chem.</i> , Vol. 62, No. 8, 1997, pgs. 2619-2621
	ET	Eric E. Simanek et al., "Self-Assembly of Zinc Porphyrins around the Periphery of Hydrogen-Bonded Aggregates That Bear Imidazole Groups", <i>J. Org. Chem.</i> , Vol. 62, No. 26, 1997, pgs. 8994-9000
	EU	Insung S. Choi et al., "Self-Assembly of Hydrogen-Bonded Polymeric Rods Based on the Cyanuric Acid-Melamine Lattice", <i>Chem. Mater.</i> , Vol. 11, No. 3, 1999, pgs. 684-690
	EV	Leonard J. Prins et al., "Non-covalent synthesis of organic nanostructures", <i>Pure & Appl. Chem.</i> , Vol. 70, No. 8, 1998, pgs. 1459-1468
	EW	Kunihiro Ichimura, "Photoalignment of Liquid-Crystal Systems", <i>Chem. Rev.</i> , Vol. 100, No. 5, 2000, pgs. 1847-1873
	EX	John P. Mathias et al., "Self-Assembly through Hydrogen Bonding: Preparation and Characterization of Three New Types of Supramolecular Aggregates Based on Parallel Cyclic CA ₃ -M ₃ "Rosettes", <i>J. Am. Chem. Soc.</i> , Vol. 116, No. 5, 1994, pgs. 1725-1736
	EY	John P. Mathias et al., "Self-Assembly through Hydrogen Bonding: Peripheral Crowding--A New Strategy for the Preparation of Stable Supramolecular Aggregates Based on Parallel, Connected CA ₃ MA ₃ Rosettes", <i>J. Am. Chem. Soc.</i> , Vol. 116, No. 10, 1994, pgs. 4326-4340
	EZ	Ben L. Feringa et al., "Chiroptical Molecular Switches", <i>Adv. Mat.</i> , Vol. 8, No. 8, 1996, pgs. 681-684

Examiner	Date Considered
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	FA						
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FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes No
	FL						
	FM						
	FN						
	FO						
	FP						

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	FR	Mark Mascal et al., "Programming a Hydrogen-Bonding Code for the Specific Generation of a Supermacrocyclic", <i>Angew. Chem. Int. Ed.</i> , Vol. 35, No. 19, 1996, pgs. 2204-2206
	FS	Vladimir Sidorov et al., "Ion Channel Formation from a Calix[4]arene Amide That Binds HCl", <i>J. Am. Chem. Soc.</i> , Vol. 124, No. 10, 2002, pgs. 2267-2278
	FT	James W. Canary et al., "Electronic control of helical chirality", <i>TRENDS in Biotech.</i> , Vol. 19, No. 7, 2001, pgs. 251-255
	FU	José Rivera et al., <i>Angew. Chem. Int. Ed.</i> , Vol. 39, No. 12, 2000, pgs. 2130-2132
	FV	Aya Tanatani et al., "Chain Length-Dependent Affinity of Helical Foldamers for a Rodlike Guest", <i>J. Am. Chem. Soc.</i> , Vol. 123, No. 8, 2001, pgs. 1792-1793
	FW	M. Ortega Lorenzo et al., "Extended surface chirality from supramolecular assemblies of adsorbed chiral molecules", <i>Nature</i> , Vol. 404, 2000, pgs. 376-379
	FX	K. Akagi et al., "Helical Polyacetylene Synthesized with a Chiral Nematic Reaction Field", <i>Science</i> , Vol. 282, Issue 5394, 1998, 5 pgs.
	FY	Gabriel Iftime et al., "Control of Chirality of an Azobenzene Liquid Crystalline Polymer with Circularly Polarized Light", <i>J. Am. Chem. Soc.</i> , Vol. 122, No. 51, 2000, pgs. 12646-12650
	FZ	Shreyasi Lahiri et al., "Solvophobically Driven π -Stacking of Phenylene Ethynylene Macrocycles and Oligomers", <i>J. Am. Chem. Soc.</i> , Vol. 122, No. 46, 2000, pgs. 11315-11319

Examiner	Date Considered
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	GL						
	GM						
	GN						
	GO						
	GP						

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	GR	C. R. Cantor et al., "Structures of nucleic acids", <i>Biophysical Chemistry</i> , Freeman: New York, 1980
	GS	J. H. K. Ky Hirschberg et al., "Helical self-assembled polymers from cooperative stacking of hydrogen-bonded pairs", <i>Nature</i> , Vol. 407, 2000, pgs. 167-170
	GT	Keith C. Russell, et al., "Investigation of Self-Assembled Supramolecular Species in Solution by IL-ESMS, a New Mass Spectrometric Technique", <i>Angew Chem. Int. Ed. Engl.</i> , Vol. 34, No. 2, 1995, pgs. 209-213
	GU	Xuecheng Cheng et al., "Characterization of Hydrogen-Bonded Aggregates in Chloroform by Electrospray Ionization Mass Spectrometry", <i>J. Org. Chem.</i> , Vol. 61, No. 6, 1996, pgs. 2204-2206
	GV	Katrina A. Jolliffe et al., "Characterization of Hydrogen-Bonded Supramolecular Assemblies by MALDI-TOF Mass Spectrometry after Ag ⁺ Labeling", <i>Angew. Chem., Int. Ed.</i> , Vol. 37, No. 9, 1998, pgs. 1247-1251
	GW	Christopher T. Seto et al., "Molecular Self-Assembly through Hydrogen Bonding: Supramolecular Aggregates Based on the Cyanuric Acid-Melamine Lattice", <i>J. Am. Chem. Soc.</i> , Vol. 115, No. 3, 1993, pgs. 905-916
	GX	Christopher T. Seto et al., "Synthesis, Characterization, and Thermodynamic Analysis of a 1 + 1 Self-Assembling Structure Based on the Cyanuric Acid-Melamine Lattice", <i>J. Am. Chem. Soc.</i> , Vol. 115, No. 4, 1993, pgs. 1330-1340
	GY	Stephen L. Mayo et al., "DREIDING: A Generic Force Field for Molecular Simulations", <i>J. Phys. Chem.</i> , Vol. 94, No. 26, 1990, pgs. 8897-8909
	GZ	Donovan N. Chin et al., "Computations and H NMR Spectroscopy of the Imide Region Can Distinguish Isomers of Hydrogen-Bonded Aggregates", <i>J. Org. Chem.</i> , Vol. 62, No. 6, 1997, pgs. 1891-1895

Examiner	Date Considered
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FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes No
	HL						
	HM						
	HN						
	HO						
	HP						

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	HR	Martin Gellert et al., "Helix Formation by Guanylic Acid", <i>Proc. Natl. Acad Sci USA</i> , Vol. 48, No. 12, 1962, pgs. 2013-2018
	HS	Giovanni Gottarelli et al., "Self-assembled Columnar Mesophases Based on Guanine-related Molecules", in <i>Comprehensive Supramolecular Chemistry</i> , Vol. 9: Templating, Self-Assembly and Self Organization (J. Lehn et al., Pergamon Press, Oxford), 1995, pgs. 483-506
	HT	Dara E. Gilbert et al., "Multistranded DNA structures", <i>Curr. Opin. Struct. Biol.</i> , Vol. 9, 1999, pgs. 305-314
	HU	David S. Lawrence et al., "Self-Assembling Supramolecular Complexes", <i>Chem. Rev.</i> , Vol. 95, No. 6, 1995, pgs. 2229-2260
	HV	Yves Ducharme et al., "Use of Hydrogen Bonds To Control Molecular Aggregation. Extensive, Self-Complementary Arrays of Donors and Acceptors", <i>J. Org. Chem.</i> , Vol. 53, No. 24, 1988, pgs. 5787-5789
	HW	Michel Gallant et al., "Use of Hydrogen Bonds to Control Molecular Aggregation. Association of Dipyridones Joined by Flexible Spacers", <i>J. Org. Chem.</i> , Vol. 56, No. 7, 1991, pgs. 2284-2286
	HX	Jonathan A. Zerkowski et al., "Solid-State Structures of "Rosette" and "Crinkled Tape" Motifs Derived from the Cyanuric Acid-Melamine Lattice", <i>J. Am. Chem. Soc.</i> , Vol. 114, No. 13, 1992, pgs. 5473-5475
	HY	Steven C. Zimmerman et al., "Controlled Molecular Aggregation. 1. Cyclic Trimerization via Hydrogen Bonding", <i>J. Org. Chem.</i> , Vol. 57, No. 8, 1992, pgs. 2215-2217
	HZ	Stefania Bonazzi et al., "Self-Assembly and Liquid Crystal Formation of Folic Acid Salts", <i>Angew. Chem. Int. Ed. Engl.</i> , Vol. 32, No. 2, 1993, pgs. 248-250

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	IL						
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	IP						

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	IR	Ji Yang et al., "Hydrogen Bonding Control of Self-Assembly: Simple Isophthalic Acid Derivatives Form Cyclic Hexameric Aggregates", <i>Tetrahedron Lett.</i> , Vol. 35, No. 22, 1994, pgs. 3665-3668
	IS	John P. Mathias et al., "Self-Assembly Through Hydrogen Bonding: Preparation of a Supramolecular Aggregate Composed of Ten Molecules", <i>Angew. Chem. Int. Ed. Engl.</i> , Vol. 32, No. 12, 1993, pgs. 1766-1769
	IT	Jeffery T. Davis et al., "Self-Assembled Inophores from Isoguanosine", <i>J. Org. Chem.</i> , Vol. 60, No. 13, 1995, pgs. 4167-4176
	IU	
	IV	
	IW	
	IX	
	IY	
	IZ	

Examiner	Date Considered
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	